What claimed is:

1. A collimating device comprising:

   a Graded Index lens;

   a filter; and

   a tube comprising a first receiving portion and a second receiving portion, wherein the Graded Index lens is secured in the first receiving portion, and the filter is secured in the second receiving portion.

2. The collimating device as described in claim 1, wherein the first receiving portion defines a cylindrical cavity therein, and the second receiving portion defines a generally rectangular cavity therein.

3. The collimating device as described in claim 2, wherein the Graded Index lens is secured in the cylindrical cavity, and the filter is secured in the rectangular cavity.

4. The collimating device as described in claim 1, wherein the Graded Index lens has an inner end face contacting an inside surface of the filter.

5. The collimating device as described in claim 1, wherein the Graded Index lens is glued in the first receiving portion.

6. The collimating device as described in claim 1, wherein the filter is glued in the second receiving portion.

7. The collimating device as described in claim 1, wherein the filter is a thin film filter.

8. The collimating device as described in claim 1, wherein the Graded Index lens has an obliquely ground and polished end disposed outside the first receiving portion of the tube.

9. A method for making a collimating device, the method comprising the steps of:

preparing a Graded Index lens, and coating the Graded Index lens with epoxy film;

preparing a tube having a first receiving portion and a second receiving portion, and inserting the Graded Index lens into the first receiving portion;

baking the tube with the Graded Index lens to cure the epoxy film;

preparing a filter, inserting the filter into the second receiving portion, and adjusting a position of the filter to optically correspond to the Graded Index lens; and

applying epoxy between a periphery of the filter and the second receiving portion, and baking the epoxy to cure the epoxy and thereby fasten the filter in the tube.

10. The method as described in claim 9, wherein the first receiving portion defines a cylindrical cavity therein, the second receiving portion defines a generally rectangular cavity therein, and the Graded Index lens and the filter are respectively secured in the cylindrical cavity and in the rectangular cavity.

11. The method as described in claim 9, wherein the Graded Index lens has an inner end face contacting an inside surface of the filter.

12. A collimating device comprising a GRIN lens and a filter axially aligned with each other wherein said GRIN lens and said filter are not directly secured

to each other around an interface therebetween, while instead laterally radially secured to a same third party respectively.

13. The collimating device as described in claim 12, wherein said third party is a tube defining first and second receiving sections with different diameters thereof to respectively receive said GRIN lens and said filter therein.